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the "trap habit" and a few individuals made themselves obnoxious by returning to the traps again and again. Considerable individuality in temperament was displayed by the trapped birds. One White-throated Sparrow always fought and bit when handled and another invariably squealed upon being removed from the trap, while a certain Brown Thrasher used to stand quietly until released.

After reading Mr. Baldwin's paper the reviewer is greatly impressed with the possibilities in this new method. Persons who are possessed of even a modicum of spare time can add materially to the fund of ornithological information by operating one or more of these traps through a greater or lesser part of the year. Here is a case where for purposes of identification and record a "bird in the hand", even though temporarily, is worth vastly more than "two in the bush". The establishment of a series of stations along some well travelled route might make possible not only the accurate tracing of *species* migration but even the migratory movements of *individuals*.—TRACY I. STORER.

MINUTES OF COOPER CLUB MEETINGS

NORTHERN DIVISION

NOVEMBER.—The November meeting of the Northern Division of the Cooper Ornithological Club was held on the 20th, at 8 P. M., at the Museum of Vertebrate Zoology. In the absence of both president and vice-president, Mr. Curtis Wright was asked to preside. Members present were: Mesdames Allen, Griffin, Grinnell, Head, Kibbe, Schlesinger, Thompson, Van Dyke; Messrs. Bade, Bryant, Carriger, Cooper, Grinnell, Hunt, Kibbe, Loomis, Mailliard, McLean, Moffitt, Palmer and White. Visitors were: Mr. Austin, Miss Cooper, Dr. Hanna, Miss Evermann, and Mrs. Thompson.

The minutes of the October meeting were read and approved. Those whose names were proposed at the October meeting were elected to membership, namely, Miss Ames, Mrs. Dodge, Mr. Fletcher, Mr. Harper, Mr. Harrison, Miss Mackey, Mrs. Mead, Mr. Moore, and Mrs. Price. In addition to the proposals before the Southern Division, which included Miss Ruth Ledig, Mr. Richard F. Williams, Mr. Charles F. Hodges and Mrs. Brownlee, the name of Miss Bessie M. Lander, Exeter, Calif., was proposed by

Dr. Grinnell, and that of Mr. Lloyd Austin, Berkeley, by Miss Anna Head.

A letter from Mr. Finley, together with an article of his, clipped from the *Oregonian* for October 26, urged immediate action regarding the drainage of Lower Klamath Lake. On motion of Dr. Bryant, seconded by Mr. Storer, it was declared to be the sense of the meeting that it would be against the interests of the citizens of Oregon and California to have the Klamath Lake Reservation destroyed as a bird refuge, and that letters asking for an investigation should be forwarded to the Secretary of Agriculture and to the Secretary of the Interior.

Dr. Grinnell announced that letters from Mr. Swarth, who attended the meeting of the A. O. U., reported an attendance of twenty-four out of forty-nine fellows, and also the election of two new fellows: Mr. Alexander Wetmore and Mr. J. H. Riley. Dr. G. Dallas Hanna then presented the results of "Bird Studies on the Pribilof Islands", in which he dwelt particularly on the large number of species (129) that have been collected although only twenty-two are listed as breeding there. He emphasized also the enormous numbers of sea birds, such as the Least Auklet and the Pallas Murre, which breed on the Pribilof Islands each year. After some discussion it was voted to adjourn.—AMELIA S. ALLEN, *Secretary*.

DECEMBER.—The regular meeting of the Northern Division of the Cooper Ornithological Club was held at the Museum of Vertebrate Zoology, December 18, at eight o'clock in the evening. Dr. Evermann was in the chair and the following members and friends were present: Mesdames Allen, Ames, Ferguson, Griffin, Grinnell, Head, Kelly, Law, Mackey, Mead, Price, Schlesinger, and Thompson; Messrs. Austin, Bell, Carriger, Cohen, Dixon, Evermann, Grinnell, Howell, Kellogg, Kibbe, La Jeunesse, Lamb, Lastreto, Law, Little, Mailliard, Wheeler, White, and Wright. Visitors: Mesdames Evermann, Hardy, Lamb, Thompson, and Wood.

November minutes were read and approved and Southern Division minutes for October and November were also read. Miss Bessie M. Lander and Mr. Lloyd Austin whose names were proposed in November, were elected to membership. Miss Ruth Ledig, Mr. Richard F. Williams, Mr. Charles F. Hodges, and Mrs. W. L. Brownlee, elected by the Southern Division were approved. New names proposed were: Miss Ethel

Ayer, Oakland, by Mr. A. S. Kibbe; Miss Catharine Mills Flinn, Berkeley, by Mr. H. C. Bryant; Miss Helen Flynn, Berkeley, by Mr. H. C. Bryant; and Mr. S. G. Baldwin, Palo Alto, by Prof. J. O. Snyder.

Mr. A. S. Kibbe, as chairman of the committee for the conservation of wild life, gave a report of conditions at Lake Merced, on the property of the Spring Valley Water Company just outside San Francisco, where, on December 14, many hunters had been shooting and had left unretrieved numerous birds, not legitimate game. On motion of Mr. Lastreto, seconded by Miss Head, the secretary was instructed to address a letter to the Spring Valley Water Company, asking that wanton shooting be prohibited by the company.

Nominations for officers for the coming year were then called for by the President. Mr. Mailliard nominated Mr. Curtis Wright for president; Mr. Carriger nominated Mr. Roswell Wheeler for vice-president and Dr. Grinnell nominated the present incumbent for secretary. All nominations were then declared closed.

Mr. Mailliard then reported that a number of members were interested in a movement to establish a permanent endowment fund to be used for the production of publications of the Cooper Club. In the hope that such a fund might be established, Mr. Mailliard presented a motion that Messrs. Chambers, Law, and Howell be formally constituted a committee to solicit, collect, and invest funds in the name of the Cooper Ornithological Club, for the purpose of forming a permanent endowment, the income only of which was to be used for such publication purposes as the Club may deem proper; and that all life membership fees, heretofore as well as henceforth, paid in, be applied to this endowment. Mr. Carriger seconded the motion and it was passed unanimously. The evening's program consisted of a talk by Mr. Remington Kellogg on "The Birds of France".—AMELIA S. ALLEN, *Secretary*.

JANUARY.—The Northern Division of the Cooper Ornithological Club held its annual meeting at the Museum of Vertebrate Zoology on January 15 at 8 p. m. In the absence of Dr. Evermann, Mr. Wright presided. The following members and friends were present: Mesdames Allen, Grinnell, Kelly, McClelland, Mead, Schlesinger, Swezy, and Thompson; Messrs. Austin, Bell, Bryant, Carriger, Cooper, Dixon, Grinnell, Hansen,

Howell, Hunt, Kibbe, Lamb, Lastreto, Little, McLean, Mailliard, Storer, Swarth, Wheeler, White, and Wright. Visitors: Mrs. Evermann, Miss Evermann, Mrs. Howell, Mrs. Swarth, Mrs. Thompson, Mrs. Wheeler, and Mrs. Wood, and Mr. C. J. Wilson, from London.

The minutes of the December meeting were read and approved, after which new members were elected as follows: Miss Ethel Ayer, Miss Catherine Mills Flinn, Miss Helen Flynn, and Mr. S. G. Baldwin. Names forwarded by the Southern Division in October and November minutes were also favorably acted upon. The following names were proposed: Ivan Murray Johnston, Upland, Calif., by H. G. White; Mrs. Malcolm P. Anderson and Mrs. Katherine Neilson, both of Alameda, by Tracy I. Storer. Mr. Howell then made a strong appeal for contributions to the endowment fund. Mr. Kibbe reported a definite hope for favorable action looking toward control of wandering cats.

The annual election of officers resulted in the ratification of nominations made at the December meeting, namely: Mr. Curtis Wright, president; Mr. Roswell S. Wheeler, vice-president; and Amelia S. Allen, secretary. The regular procedure of the meeting was interrupted by arrangements for a flashlight photograph of those present, after which Mr. Swarth gave a most interesting account of his experiences at the November meeting of the A. O. U., and subsequent visits to famous museums and ornithologists at different centers in the East and Middle West.

A belated motion provided that Mr. Swarth should present at the February meeting a co-ordinate plan for taking the bird counts and gathering records of migrations as requested by the Biological Survey.—AMELIA S. ALLEN, *Secretary*.

FEBRUARY.—The regular meeting of the Northern Division of the Cooper Ornithological Club was held at the Museum of Vertebrate Zoology, February 19 at 8 p. m. President Wright was in the chair and the following members were present: Mesdames Allen, Ayer, Bridges, Ferguson, Flynn, Griffin, Grinnell, Gunn, Kibbe, Law, McClelland, Schlesinger, and Thompson; Messrs. Austin, Bryant, Carriger, Dixon, Evermann, Grinnell, Howell, Hunt, Kibbe, McLean, Storer, Swarth, White, and Wright. Visitors: Mrs. Swarth, Mrs. Taylor, Mrs. Thompson, Mrs. White, and six students.

The minutes of the January meeting were

read and approved and December and January minutes from the Southern Division were read. Ivan Murray Johnston, Mrs. Malcolm P. Anderson, and Mrs. Katherine Neilson were elected to membership, and the following names were proposed: Miss Genevieve S. Burk, Berkeley, by Dr. H. C. Bryant; and Miss Lora Gertrude Rush, Berkeley, by Mrs. J. T. Allen. Elections by the Southern Division at the January meeting were also read and approved.

A letter from the Pacific Division of the American Association for the Advancement of Science announcing meetings to be held in Seattle in June, were read. Dr. Evermann also reported for the committee and made a motion that the Cooper Club consider the question of holding a meeting in Seattle as one of the affiliated societies. On passage of this motion, a second one was presented that the Club arrange such a meeting. An amendment by Mr. Storer provided that the question be referred to northern members residing in Washington and Oregon. The Secretary was instructed to write the necessary letters. In the absence of Mr. Law, Dr. Grinnell presented the business manager's report for 1919 which was adopted with hearty thanks to Messrs. Chambers and Law.

Announcement was made by the President of the re-appointment for 1920, of Dr. J. Grinnell, as editor of "The Condor"; Mr. H. S. Swarth, associate editor; Messrs. W. Lee Chambers and Eugene Law, business managers. Mr. Swarth reported for the committee on census lists for the Biological Survey that fifty letters had been sent to observers throughout the state and thirteen replies had been received.

After a short period devoted to seasonal observations, the lights were turned out and Mr. Dixon showed his wonderful pictures of three of the Alaskan birds studied on the Stikine River by himself and Mr. Swarth in the summer of 1919.—AMELIA S. ALLEN, *Secretary*.

SOUTHERN DIVISION

JANUARY.—The regular monthly meeting of the Cooper Ornithological Club, Southern Division, was held at the Museum of History, Science and Art, at 8 P. M., January 29. President Miller held the chair, with other members present as follows: Messrs. Appleton, Brown, Daggett, Dickey, Hanaford, Hoffmann, Henderson, Lamb, Nokes, S. Peyton, Reis, Rich, Robertson, Ross and

Wyman. Mr. Baisley and Mr. Kersey were visitors.

Minutes of the December meeting were read and approved. On motion by Mr. Reis, seconded by Mr. Robertson, applicants whose names were presented at the previous meeting were elected to membership. New applications were presented as follows: Charles A. Warmer, Los Angeles; Miss Mary Mann Miller, Los Angeles; and W. Denton Baisley, Glendale, by W. Lee Chambers; Mrs. Millard L. Green, Long Beach, by Fred Barker; Miss Elsie M. Saville, Topeka, Kas., by Horace Gunthrop; E. R. Andrews, Oakland, by H. C. Bryant. Also the following from the Northern Division: Lloyd Austin, Berkeley; S. G. Baldwin, Palo Alto; Miss Ethel C. Ayer, Oakland; Miss Catharine Mills Flinn, Berkeley; Miss Helen Flynn, Berkeley.

Mr. Dickey, chairman of the nominating committee, being called upon to report, named Messrs. Miller, Rich and Wyman, as nominees for president, vice-president and secretary, respectively, for the ensuing year. Nominations were closed on motion by Mr. Lamb, and in proper form these parties were duly elected.

Formal business ended, Mr. Ralph Hoffman addressed the Club on "Massachusetts Bird Students of the Last Thirty Years". His intimate acquaintance with many of these ornithological notables, and a pleasing ability as a word painter of character and disposition, peculiarly fitted Mr. Hoffman for his treatment of the subject, and his address was greatly enjoyed and appreciated by the members. Followed a half-hour of discussion of matters ornithological, during which the general visitation of mountain dwelling birds to the low-lands was commented upon by various members. Adjourned.—L. E. WYMAN, *Secretary*.

FEBRUARY.—The regular monthly meeting of the Cooper Ornithological Club, Southern Division, was held February 26 at 8 P. M., at the Museum of History, Science and Art, with President Miller in the chair and other members in attendance as follows: Messrs. Appleton, Daggett, Esterly, Hanaford, Little, Nicholson, Nokes, Meadows, Pierce, Reis, Rich, Robertson, Taylor, Wall, and Wyman; and Miss Palmer. Minutes of the January meeting were read and approved. Proposals for membership, presented at that meeting, were favorably acted upon on motion by Dr. Esterly, seconded by Mr. Robertson, that the secretary be instructed

to cast an electing vote. New names were: W. H. Workman, Belfast, Ireland, by W. Leon Dawson; and Harry H. Johnson, Pittsfield, Maine, by W. Lee Chambers.

A communication from the Secretary of the Pacific Division, American Association for the Advancement of Science, relative to the annual meeting, was read. Unanimous approval was given the action of the executive committee in naming Messrs. Grinnell and Swarth as editors, and Law and Chambers as business managers, to succeed themselves in office for the ensuing year.

In the hour of general discussion that followed the formal meeting, various theories as to the cause of the unusual appearance of mountain birds in the valleys were considered. A large flock of Bohemian Waxwings was reported as having been seen almost daily for a number of weeks in a nearby town; and a member recently returned from the desert recorded the finding of several nests of the Leconte Thrasher, with eggs or young, on February 21. Adjourned.—L. E. WYMAN, *Secretary*.

MARCH.—The regular monthly meeting of the Southern Division, Cooper Ornithological Club, was held on March 25 at 8 P. M., at the Museum of History, Science and Art. President Miller officiated, with other members in attendance as follows: Messrs. Appleton, Dickey, Hanaford, Howell, Lamb, Little, Nokes, Peyton, Pierce, Reis, Selwyn Rich, and Wyman. Visitors were Mrs. Waldorf and Mr. Woods.

Minutes of the February meeting were read and approved. Harry H. Johnson, Pittsfield, Maine, and W. H. Workman, Belfast, Ireland, were elected to membership on motion of Mr. Reis, seconded by Mr. Lamb. New names presented were: Albert Lano, Fayetteville, Ark., by J. E. Law; Helen S. Pratt, Eagle Rock; Eric Deane Sismey, Penticton, B. C., Canada; Cecil Hart, Los Angeles; Robert S. Woods, Los Angeles; Johnson Andrew Neff, Marionville, Mo.; and Chauncey J. Hawkins, Lowell, Mass., by W. Lee Chambers; John Burnham, San Diego, by A. M. Ingersoll; Nathan F. Leopold, Jr., Chicago, by Henry K. Coale.

Inquiry from the secretary of the Pacific Division, American Association for the Advancement of Science, as to what part the Cooper Club proposed to take in the forthcoming meeting at Seattle, resulted in a motion by Mr. Reis, seconded by Mr. Dickey, that the Cooper Club affiliate with the Western Society of Naturalists, in taking

part in the program. Motion carried. An invitation from the Southwest Museum, to hold a meeting at that institution as guests of the Bird Lovers' Club, met unanimous favor; April 29 was designated as an acceptable time, as this falls on a regular meeting date.

The question of publishing notice of meetings, in daily papers, as a means of increasing attendance and membership in the Club, was brought before the members. It was the sense of the members that Club meetings, as generally conducted, would have little or no interest for the public; and a motion by Mr. Dickey, that the secretary use his judgment as to publishing notice of meetings of unusual interest, was carried.

Inspection of a tray of study skins of the family Alcidae, and the general round of discussion of matters ornithological, completed the session. Adjourned—L. E. WYMAN, *Secretary*.

DIRECTORY OF MEMBERS OF THE COOPER ORNITHOLOGICAL CLUB

Revised to May 1, 1920

Residence in California unless otherwise stated. Year following address indicates date of election; year in parenthesis indicates date honorary member joined the Club. Star preceding name indicates life member.

HONORARY MEMBERS

- Allen, Dr. J. A., Amer. Museum Nat. Hist., New York, N. Y. 1910.
- Henshaw, H. W., Biol. Survey, Washington, D. C. 1909.
- Merriam, Dr. C. Hart, 1919 16th St., Washington, D. C. 1909.
- Nelson, E. W., Biol. Survey, Washington, D. C. (1904) 1917.
- Ridgway, Robert, 3306 New Hampshire Ave., N. W., Washington, D. C. 1905.
- Stephens, Frank, 3746 Park Blvd., San Diego. (1894) 1912.

ACTIVE MEMBERS

- Abernathy, Frieda (Mrs. S. E.), 2300 Durant Ave., Berkeley. 1914.
- Adams, Benjamin, 155 Amity St., Brooklyn, N. Y. 1920.
- Alexander, Miss Annie M., Suisun. 1908.
- Alexander, E. Gordon, 1603 South St., Lexington, Mo. 1918.
- Allen, Dr. A. A., McGraw Hall, Ithaca, N. Y. 1911.